

VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)

Release 2.1

NASA-NPDMS-VDD-13

PrISMS Contract

August 31, 1998



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 2.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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RELEASE 2.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

August 31, 1998

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1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Property Disposal Management System (NPDMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NPDMS, Release 2.1 and has an effective release date of August 31, 1998.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

| <u>CCR</u> | <u>Title</u> |
|------------|---|
| 120 | DRMO DODAAC Exception Processing Table |
| 123 | Add Bidder Process |
| 124 | Change Awardee Process |
| 135 | Unable to access next item in case review |
| 226 | SF-120 Corrections |
| 234 | Update Warehouse Location |
| 302 | Sales Listing Report (GSA Sale) |
| 344 | IFM interface for NPDMS |
| 345 | Core modifications for IFMP standard interfaces |

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

| <u>CCR</u> | <u>Title</u> |
|------------|--|
| 335 | Rescheduling a sale date only allows one screen of sales lots being redone |
| 339 | When NPDMS sale lot has a partial disposition item after the lot closes the partial disposition item has been retired which is incorrect |
| 347 | Transaction Case Review Screen 4 |
| 348 | Year field needs expanding to A4 |
| 351 | Fatal Error in Enter/Change Sealed Bids |
| 352 | Incorrect Year Validations |

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 2.1, including the following:

- Changes implemented since Release 2.0.
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

The following documents are affected by this release:

NPDMS User and Operations Guide (UOG)

NPDMS Data Dictionary

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

This section is not applicable for this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NPDMS Software Release 2.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4. KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

Appendix A - ABBREVIATIONS AND ACRONYMS

| | |
|--------|---|
| CC | Consolidation Center |
| CCR | Change Control Request |
| CSC | Computer Sciences Corporation |
| DBA | Database Administrator |
| DR | Discrepancy Report |
| FAX | Electronic Facsimile Transmission |
| IRM | Information Resources Management |
| JCL | Job Control Language |
| MSFC | Marshall Space Flight Center |
| NACC | NASA Automated Data Processing (ADP) Consolidation Center |
| NASA | National Aeronautics and Space Administration |
| NEMS | NASA Equipment Management System |
| NPDMS | NASA Property Disposal Management System |
| SESAAS | Sustaining Engineering Support for Agency wide Administrative Systems |
| VDD | Version Description Document |

Appendix B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

Appendix C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

| Section | CCR | Title |
|----------------|------------|--|
| 1.0 | 120 | DRMO DODAAC Exception Processing Table |
| 2.0 | 123 | Add Bidder Process |
| 3.0 | 124 | Change Awardee Process |
| 4.0 | 135 | Unable to access next item in case review |
| 5.0 | 226 | SF-120 Corrections |
| 6.0 | 234 | Update Warehouse Location |
| 7.0 | 302 | Sales Listing Report (GSA Sale) |
| 8.0 | 335 | Rescheduling a sale date only allows one screen of sales lots being redone |
| 9.0 | 339 | When NPDMS sale lot has a partial disposition item after the lot closes the partial disposition item has been retired which is incorrect |
| 10.0 | 344 | IFM interface for NPDMS |
| 11.0 | 345 | Core modifications for IFMP standard interfaces |
| 12.0 | 347 | Transaction Case Review Screen 4 |
| 13.0 | 348 | Year field needs expanding to A4 |
| 14.0 | 351 | Fatal error in Enter/Change Sealed Bids |
| 15.0 | 352 | Incorrect Year Validations |

Details for the validation procedures follow:

1.0 CCR 120 DRMO DODAAC Exception Processing Table

During the Add process, NPDMS requires the entry of either a DRMO or GSA Region code. Disposition of foreign property is not always handled by a DRMO or GSA, but frequently handled through the US Embassy. Therefore, this mandatory entry of DRMO or GSA is not applicable.

Description of Change

A change was made to allow the GSA Region code and DRMO DODAAC fields if the foreign indicator is set to Y.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Enter a foreign property case without entering a GSA Region code or DRMO DODAAC.

Expected Results: No error is received.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--------------------|-------------|
| ND4110MB | | Map |
| ND4110TB | | Text |

2.0 CCR 123 Add Bidder Process

In the sales process, when adding bidder names, NPDMS allows you to enter one name, then returns to the sales menu rather than staying in the add bidder process. System should remain in the add bidder process and allow entry of numerous bidders at one time.

Description of Change

A change was made to redisplay the add bidder screen for entry of more bidders rather than returning to the sales menu after each entry.

Functional Impact

Instead of returning to the Sales Process Menu after pressing ENTER control remains on the Sealed Bids process screen. To return to the Sales Process Menu the PF3 key must be entered.

Validation Procedures

- Enter the Sealed Bids process and enter a bidder number and other information. Press ENTER twice.
Expected result: The fields on the screen are reset and the user is able to enter more bidders.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|-------------------------------------|-------------|
| ND4940PA | Enter Sealed Bids (Local Sale Only) | Program |

3.0 CCR 124 Change Awardee Process

In the sales process, NPDMS allows lots to be awarded to someone other than the highest bidder. When this occurs, NPDMS does display a warning message to that effect. However, the Abstract of Bids Report (019) does not indicate the successful bidder. Since the successful bidder is not always the highest bidder, NPDMS needs a means of identifying the successful bidder on the Abstract of Bids Report.

Description of Change

A change was made to display the successful bidder number in Part I - All BIDDERS after the bidders numbers have been listed.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Award lots to the highest bidder, a bidder in the middle, and to the lowest bidder. Schedule and run the (019) Abstract of Bids report.
Expected result: The report will run successfully and the "BID AWARDED TO BIDDER NUMBER: 9999999999" will be displayed.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--------------------|-------------|
| NDR019MF | | Map |
| NDR019PA | Abstract of Bids | Program |

4.0 CCR 135 Unable to access next item in case review

When accessing the case review process on component systems from the freeze screen, the system should allow all items of the component system to be viewed, not just the item you are on during the freeze process.

Description of Change

A change was made to allow other items of a component system to be viewed.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- While on the freeze screen of a component system access the case review process.
Expected result: Case review screen 1 will be displayed with the Item ID of the component system from the freeze screen.
- To see the next item tab to the Choice field and enter an 'I' (next item).
Expected result: The case review screen will be displayed with the next Item ID. (**NOTE:** If you are on item 1, item 2 will be displayed. If you are on item 2, item 3 will be displayed. You can only go forward to the next item. You cannot go backward to a previous item.)

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|---------------------|-------------|
| ND5100PA | Freeze transactions | Program |

5.0 CCR 226 SF-120 Corrections

When converting a single case to a component system, corrected copy does not notify GSA of new component case number.

Description of Change

A change was made to display the new case number on the SF-120 Withdrawal/Correction Generation.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- You must have a single item case that has been converted to part of a component case. You must have also requested to print an SF-120 correction. Then schedule and run the SF-120 Withdrawal/Correction Generation (130) report.
Expected result: The SF-120 Withdrawal/Correction report will run successfully and display the New Case Number

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--|-------------|
| NDR130PA | GSA SF-120 Withdrawal/Correction | Program |
| NDR130PB | GSA SF-120 Withdrawal/Correction (History) | Program |
| NDR130PC | GSA SF-120 Withdrawal/Correction (History) | Program |

6.0 CCR 234 Update Warehouse Location

Need to be able to change the warehouse location of the property when lotting property for a local sale. When lotting property for a local sale, the property comes from various warehouse locations. It is required that all data be kept current.

Description of Change

A change was made to add a warehouse location field to the Add/Change Sale process. If a value is entered in the warehouse location field all cases for that lot will be updated with that location.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- When adding lots for a local sale enter a warehouse location other than one that is on the property case numbers.
Expected result: The new warehouse location will be on all the property case numbers for that sale/lot.
- When changing lots for a local sale enter a warehouse location other than one that is on the property case numbers.
Expected results: The new warehouse location will be on all the property case numbers for that sale/lot.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--------------------------|-------------|
| NDTXATLA | | LDA |
| ND4910MA | | Map |
| ND4910PA | Add Sale Lots | Program |
| ND4920PC | Change Sale/Lots, Part 3 | Program |

7.0 CCR 302 Sales Listing Report (GSA Sale)

The sales listing report (003) prints a listing of property items lotted for a local sale. It does not include items lotted for a GSA conducted sale.

Description of Change

A change was made to the sales listing report to list all property items for the entire sales process.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run the Sales Listing report (003).
Expected result: All property items for the sales process will show up on the Sales Listing report.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|----------------------|-------------|
| NDR003PA | Sales Listing Report | Program |

8.0 CCR 335 Rescheduling a sale date only allows one screen of sales lots being redone

Rescheduling a sale date only allows one screen of sales lots being redone. If more than one screen is processed an error occurs involving the date and a message that the field must remain blank.

Description of Change

A change was made to allow multiple screens of lots being redone.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Cancel/Reschedule a lot from a sale.
Expected result: Change Sale Process screen will be displayed. After pressing the ENTER key on the Change Sale Process screen you will be returned to the Cancel/Reschedule Sale Process screen with the next screen of lot numbers displayed.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|------------------------|-------------|
| ND4970MA | | Map |
| ND4970PA | Cancel/Reschedule Sale | Program |

9.0 CCR 339 When NPDMS sale lot has a partial disposition item after the lot closes the partial disposition item has been retired which is incorrect.

When NPDMS sale lot has a partial disposition item after the lot closes the partial disposition item has been retired which is incorrect.

Description of Change

A change was made so that when only a partial quantity is disposed of the case will remain on the active case file with the current available quantity.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Add a sale with 3 cases with a qty > 1 in a lot. Only enter a sale qty of 1 for the second case. Do a case review on the second case.
Expected result: Data displayed in the case review should reflect the current available qty from the case file.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--------------------|-------------|
| ND4930PA | Sale Award Process | Program |
| ND4960PA | Close Lot | Program |

10.0 CCR 344 IFM Interface for NPDMS

NPDMS must provide a daily interface file to the IFM system. Information will be downloaded into a flat file in the IFM standard interface file format. Fields will be populated as identified in the interface meetings.

Description of Change

A batch process was built that will download a flat file in the IFM standard interface file format.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Run the batch process to build the flat file.
Expected result: The flat file is built in the IFM standard interface file format.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|----------------------|-------------|
| NDIFM1PA | Create IFM Flat File | Program |

11.0 CCR 345 Core modifications for IFMP standard interfaces.

Currently the NPDMS system does not have several fields (Book Value, Life Expectancy, Organization Cost Account (OCA), Program Cost Account (PCA), Previous OCA, and Previous PCA) that are mandatory for the Standard Interface file with the IFM system.

Description of Change

A change was made to allow entry of the OCA and PCA. Users will be allowed to enter the OCA/PCA for a non-controlled add, for a controlled add when the Initiators Org Code changes, or for any change.

Functional Impact

(If the NEMS-IFM-PROP-INT-TBL has been populated) The OCA/PCA window will be displayed during Controlled Add if the Initiators Org code has been changed, during a Non-Controlled Add, and during any change.

Validation Procedures

- Add a Controlled Single Item Case without changing the Initiators Org Code.
Expected result: The OCA/PCA window will not be displayed.
- Add a Controlled Single Item Case changing the Initiators Org Code.
Expected result: The OCA/PCA window will be displayed.
- Add a Non-Controlled Single Item Case.
Expected result: The OCA/PCA window will be displayed.
- Add a Controlled Component Case.
Expected result: The OCA/PCA window will not be displayed.
- Add a Non-Controlled Component Case.
Expected result: The OCA/PCA window will be displayed for each item entered.
- Change a (Non-Controlled and Controlled) Case.
Expected result: The OCA/PCA window will be displayed.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--|-------------|
| NDIFM2MA | | Map |
| NDIFM2NA | Subprogram to input window for input of OCA/PCA | Subpgm |
| ND4110PA | On-line Add | Program |
| ND4110TB | On-line Add documentation | Text |
| ND4210PA | Change Process | Program |
| ND4700PA | Conversion of an existing Single Case to Component | Program |
| ND4800PA | Conversion of an existing Component to Single Case | Program |

12.0 CCR 347 Transaction Case Review Screen 4 - Trans Date not being calculated correctly when changing century to year 2000.

Comparison is being done incorrectly to calculate the correct year that a transaction is being processed.

Description of Change

A change was made to correctly calculate the century portion of the year field.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Current date must be set to a date in the year 2000 (use the DD parameter). For a case that was added in the 1990s, do a case review on that case.

Expected result: The Trans Date will have the correct decade displayed (9).

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--|-------------|
| ND4000PA | Detailed Online Display of the Case record | Program |

13.0 CCR 348 Year field needs expanding to A4.

Field #GSA-WTHDRWL-APRVL-DATE in NDXDOCSA is defined as an A6 and field ##SCR-GSA-WTHDRWL-APRVL-DATE-YY is defined as an A2.

Description of Change

In NDXDOCSA field #GSA-WTHDRWL-APRVL-DATE has been changed to A8 and field ##SCR-GSA-WTHDRWL-APRVL-DATE-YY has been changed to A4.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Change a property case. On CHANGE SCREEN 2 select 'Y' in the Print Doc field. Enter 'C' for Print SF-120 Correction. Press ENTER. In the next window that is displayed enter the Withdrawal/Correction Narrative: Test. Press ENTER.
Expected result: CHANGE SCREEN 2 should be redisplayed with no fatal errors encountered during the sequence above.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|---------------------------|-------------|
| NDXDOCSA | Print Document Data Entry | Subrtn |

14.0 CCR 351 Fatal error in Enter/Change Sealed Bids.

User is receiving a fatal Natural error (1009 - Program interrupted after too many ADABAS calls) on line 3970 of ND4940PA. User's sale contains 165 lots with 288 cases.

Description of Change

Code was added to display a blank so that the ADABAS parameter would be reset.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- For a Sale that has at least 165 lots, 288 cases, and 43 bidders, add bids on the first screen and continue to subsequent screens.
Expected result: Next screen of lots should be displayed.
- For a Sale that has at least 165 lots, 288 cases, and 43 bidders, change bids for a bidder.
Expected result: First screen of lots should be displayed. Subsequent screens should also be displayed.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|-------------------------------------|-------------|
| ND4940PA | Enter Sealed Bids (Local Sale Only) | Program |

15.0 CCR 352 Incorrect Year Validations

Map ND4920MB has 3 year fields (Sale Date, Contract Prop Removal Date, and Payment Due Date) that have processing rules attached to them. These 3 fields are output display only fields. It is valid for the Contract Prop Removal Date and Payment Due Date to be blank. The processing rule on the year is causing the fields to be required. However, these fields are output only on this map.

Description of Change

Edits were removed for the Sale Date year, Contract Prop Removal Date year, and Payment Due Date year.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Delete a case from a lot of a sale that does not have a Contract Prop Removal date and Payment Due date.
Expected result: No errors should be received stating that the Contract Prop removal date or Payment Due date should have a valid year.

| <u>MODULE ID</u> | <u>MODULE NAME</u> | <u>TYPE</u> |
|------------------|--------------------|-------------|
| ND4920MB | | Map |

Appendix D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 2.1

Introduction

Release information:

System Name: NPDMS
Release Number: 2.1
Release Date: August 31, 1998
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets.

- AIMS.NPDMS.PROD.REL210.REL0898.SRC
- AIMS.NPDMS.PROD.REL210.REL0898.DOC
- AIMS.NPDMS.PROD.REL210.REL0898.ERR

Installation Sequence

NOTE: The NEMS 4.1 release should be installed before the NPDMS 2.1 release because of the new NEMS files.

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the NPDMS source library from dataset AIMS.NPDMS.PROD.REL210.REL0898.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

| Natural Source Modules by Type | Count |
|--------------------------------|-------|
| GLOBAL DATA AREA | 0 |
| LOCAL/PARAM DATA AREA | 1 |
| MAPS | 6 |
| HELP ROUTINES | 0 |
| SUBROUTINES | 1 |
| SUBPROGRAMS | 1 |
| PROGRAMS | 19 |
| COPYCODE | 0 |
| TEXT | 1 |
| PROCESS | 0 |
| MISCELLANEOUS OBJECTS | 0 |
| Total: | 29 |

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

- | | |
|-------------|---------|
| 1. NDIFM1PA | Program |
| 2. NDIFM2MA | Map |
| 3. NDIFM2NA | Subpgm |

Changed Modules

- | | |
|--------------|---------|
| 1. NDO000PA | Program |
| 2. NDR003PA | Program |
| 3. NDR019MF | Map |
| 4. NDR019PA | Program |
| 5. NDR130PA | Program |
| 6. NDR130PB | Program |
| 7. NDR130PC | Program |
| 8. NDTXATLA | LDA |
| 9. NDxDCSA | Subrtn |
| 10. ND4000PA | Program |
| 11. ND4110MB | Map |
| 12. ND4110PA | Program |
| 13. ND4110TB | Text |
| 14. ND4210PA | Program |
| 15. ND4700PA | Program |
| 16. ND4800PA | Program |
| 17. ND4910MA | Map |
| 18. ND4910PA | Program |
| 19. ND4920MB | Map |
| 20. ND4920PC | Program |
| 21. ND4930PA | Program |
| 22. ND4940PA | Program |
| 23. ND4960PA | Program |
| 24. ND4970MA | Map |
| 25. ND4970PA | Program |
| 26. ND5100PA | Program |

Deleted Modules

There are no modules deleted with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

4.1 Data Dictionary Changes

The following NEMS DDMs should be UPDATE linked to the NPDMS library in NATURAL Security.

NEMS-IFM-PROP-INT-FILE
NEMS-IFM-PROP-INT-TBL

4.1.1 Inventory of Objects

Not applicable with this release.

PREDICT Objects by Type:

| | | |
|------------------------|---|---|
| Keyword | - | 0 |
| Standard Files | - | 0 |
| ADABAS Files and Views | - | 0 |
| Data Elements | - | 0 |
| Verification Rules | - | 0 |

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Not applicable with this release.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NPDMS or other named library. **IT IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NPDMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

There is no post-Predict data conversion required.

7.0 Perform Release-Specific Procedures

7.1 Load Natural Error Messages

Load error messages from the NASA Distribution data set AIMS.NPDMS.PROD.REL210.REL0898.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains **793** error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

8.0 Local JCL Mods

There are no JCL modifications for this release.

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
 - 2.1 Copy Source Code
 - 2.2 List of Source Code Modifications
- 4.1 Data Dictionary Changes
- 5.0 Catalog Source Code
- 7.0 Perform Release Specific Procedures
 - 7.1 Load Natural Error Messages